

Table 7.1 – Electricity Net Generation

(Billion Kilowatthours)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2010</u>	<u>2020</u>	<u>2025</u>
Coal ¹	1,162	1,594	1,966	1,904	1,933	1,970	2223	2494	2890
Petroleum ²	246	127	111	125	95	118	126	143	148
Natural Gas ³	346	373	601	639	691	629	922	1374	1403
Other Gases ⁴	N/A	10	14	9	11	11	4	5	5
Total Fossil Energy	1,754	2,104	2,692	2,677	2,730	2,729	3,276	4,016	4,446
Nuclear	251	577	754	769	780	764	813	830	830
Hydroelectric Pumped Storage ⁵	N/A	-4	-6	-9	-9	-9	-9	-9	-9
Conventional Hydroelectric ⁶	279	293	276	217	264	275	306	307	307
Geothermal	5	15	14	14	14	13	12.33	22.83	32.78
Wood ⁷	0	33	38	35	39	37	61	72	81
Waste ⁸	0	13	23	22	23	23	28	29	29
Solar Thermal and Photovoltaic	N/A	0	0	1	1	1	2	3	6
Wind	N/A	3	6	7	10	11	25.89	31.61	34.52
Total Renewable Energy	285	357	356	295	351	359	436	465	489
Generation for Own Use ⁹	N/A	N/A	N/A	N/A	N/A	N/A	-204	-229	-248
Other ¹⁰	N/A	4	5	5	6	5	10	10	10
Total Electricity Generation	2,290	3,038	3,802	3,737	3,858	3,848	4,526	5,313	5,767

Sources: EIA, Annual Energy Review 2003, DOE/EIA-0384(2003) (Washington, D.C., September 2004), Table 8.2a, and EIA, Annual Energy Outlook 2005, DOE/EIA-0383(2005) (Washington, D.C., February 2005), Tables A8 and A16.

Notes:

Data include electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for generation at electric utilities only. Beginning in 1989, data also include generation at independent power producers and the commercial and industrial (end-use) sectors.

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

³ Natural gas, including a small amount of supplemental gaseous fuels. Forecast data include electricity generation from fuel cells.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels, including refinery and still gas.

⁵ Pumped storage facility production minus energy used for pumping. Data for 1980 included in conventional hydroelectric power.

⁶ Hydroelectric data through 1988 are for generation at electric utilities and industrial plants only; beginning in 1989, data also include generation at independent power producers and commercial plants.

⁷ Wood, black liquor, and other wood waste.

⁸ Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

⁹ Includes nonutility and end-use sector generation for own use.

¹⁰ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.